AMENDMENT TO THE CLAIMS

1. (Currently Amended) A process of forming a coating on a substrate, the process comprising steps of:

a) forming a coating on the substrate comprising initially a plurality of layers of fullerene molecules; and

b) removing layers of the fullerene molecules, while maintaining a temperature of the substrate at no more than about 200 degrees C, leaving an approximate monolayer coating of fullerene molecules on the substrate.

2. (Previously Presented) The process of claim 1, wherein the temperature of the substrate is maintained no more than about 150°C during the removal of layers of fullerene molecules from the coating.

3. (Previously Presented) The process of claim 1, wherein the temperature of the substrate is maintained no more than about 100°C during the removal of layers of fullerene molecules from the coating.

4. (Previously Presented) A process of forming a coating on a substrate, the process comprising steps of:

a) forming a coating on the substrate comprising a plurality of layers of fullerene molecules;

b) adjusting a beam generator to produce a beam arranged to break the fullerene-to-fullerene intermolecular bond of the coating and inadequate to break the fullerene-to-substrate association/bond of the coating; and

c) directing the beam at the coating to break the fullerene-to-fullerene intermolecular bond while maintaining a temperature of the substrate at no more than about 200 degrees C, leaving an approximate monolayer coating of fullerene molecules on the substrate.